



CONSTRUCTION EQUIPMENT

A11962 VOLVO L180H 5740 - DIESEL ENGINE



Sample No: VCP432247
Oil Type: MOBIL 15W40
Job No: A11962



SAMPLE INFORMATION

Sample Number	VCP432247	VCP429680	VCP433774	---
Sample Date	24 Jan 2024	08 Dec 2023	16 Nov 2023	---
Machine Hours	1505	1135	990	---
Oil Hours	500	250	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

WASTE MANAGEMENT - TELFORD
 400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
 erogener@wm.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	12.9	13.1	12.8	---
Base Number (BN)	mg KOH/g	7.2	7.8	8.8	---
Oxidation (PA)	%	37	39	62	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.2	---
Nitration (PA)	%	51	47	61	---
Sulfation (PA)	%	44	44	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	4	8	---
Sodium	ppm	0	<1	1	---
Potassium	ppm	0	2	2	---

WEAR METALS

Iron	ppm	1	1	4	---
Copper	ppm	2	9	65	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	1	1	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	8	13	61	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	2080	1919	1014	---
Magnesium	ppm	125	200	944	---
Zinc	ppm	1050	1041	1245	---
Phosphorus	ppm	931	810	1016	---
Barium	ppm	0	0	0	---
Boron	ppm	12	17	83	---

Depot: WASTEL
Unique No: 10873239
Signed: Wes Davis
Report Date: 13 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

